

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Canceled)**
2. **(Previously Presented)** The antibody of any one of claims 99-102, selected from the group consisting of an IgG1, an IgG2, an IgG3, an IgG4, an IgM, an IgA1, an IgA2, a secretory IgA, an IgD, and an IgE antibody.
3. **(Previously Presented)** The antibody of any one of claims 99-102, wherein the antibody is an IgG1 antibody.
4. **(Previously Presented)** The antibody of any one of claims 99-102, wherein the antibody is an IgG4 antibody.
5. **(Previously Presented)** The antibody of any one of claims 99-102, wherein the antibody dissociates from human CD25 with a dissociation equilibrium constant (K_D) of 10^{-8} M or less, preferably of about 10^{-9} M or less, and more preferably of about 10^{-10} M or less, or 10^{-11} M or even less, when determined by surface plasmon resonance (SPR) technology in a BIAcore 3000 instrument using human recombinant CD25 as the ligand and the antibody as the analyte.
6. **(Previously Presented)** The antibody of any one of claims 99-102, wherein the antibody has one or more of the following characteristics:
 - (a) specificity for human CD25;
 - (b) inhibits binding of IL-2 to CD25;
 - (c) eliminates T cells expressing CD25;
 - (d) tolerizes T cells;
 - (e) inhibits proliferation of T cells expressing CD25;
 - (f) inhibits anti-CD3 antibody-induced T cell proliferation of peripheral blood mononuclear cells (PBMCs);
 - (g) inhibits mixed lymphocyte reaction (MLR);
 - (h) internalization of CD25 expressed on T cells.

7. **(Previously Presented)** An isolated monoclonal antibody which binds to human CD25, encoded by human heavy chain and human kappa light chain nucleic acids comprising nucleotide sequences in their variable regions as set forth in SEQ ID NO:5 and SEQ ID NO:7, respectively.

8. **(Previously Presented)** An isolated monoclonal antibody which binds to human CD25, encoded by human heavy chain and human kappa light chain nucleic acids comprising nucleotide sequences in their variable regions as set forth in SEQ ID NO:13 and SEQ ID NO:15, respectively.

9. **(Previously Presented)** An isolated monoclonal antibody which binds to human CD25, encoded by human heavy chain and human kappa light chain nucleic acids comprising nucleotide sequences in their variable regions as set forth in SEQ ID NO:1 and SEQ ID NO:3, respectively.

10. **(Previously Presented)** An isolated monoclonal antibody which binds to human CD25, encoded by human heavy chain and human kappa light chain nucleic acids comprising nucleotide sequences in their variable regions as set forth in SEQ ID NO:9 and SEQ ID NO:11, respectively.

11. **(Previously Presented)** An isolated monoclonal antibody which binds to human CD25, having a human heavy chain and human kappa light chain variable regions comprising the amino acid sequences as set forth in SEQ ID NO:6 and SEQ ID NO:8, respectively.

12. **(Canceled)**

13. **(Previously Presented)** An isolated monoclonal antibody which binds to human CD25, having a human heavy chain and human kappa light chain variable regions comprising the amino acid sequences as set forth in SEQ ID NO:14 and SEQ ID NO:16, respectively.

14. **(Canceled)**

15. **(Previously Presented)** An isolated monoclonal antibody which binds to human CD25, having a human heavy chain and human kappa light chain variable regions comprising the amino acid sequences as set forth in SEQ ID NO:2 and SEQ ID NO:4, respectively.

16. **(Canceled)**

17. **(Currently Amended)** An isolated monoclonal antibody which binds to human CD25, having a human heavy chain and human kappa light chain variable regions comprising the amino acid sequences as set forth in SEQ ID NO:10 and SEQ ID NO:12, respectively.

18. **(Canceled)**

19. **(Previously Presented)** An isolated monoclonal antibody, comprising at least one human variable region selected from the group consisting of:
SEQ ID NOs:2, 4, 6, 8, 10, 12, 14, and 16.

20. **(Previously Presented)** An isolated human monoclonal antibody which binds to an epitope on human CD25 defined by the antibody of any one of claims 99-102.

21. **(Previously Presented)** An isolated human monoclonal antibody which has the binding characteristics of the antibody of any one of claims 99-102.

22-52. **(Canceled)**

53. **(Previously Presented)** The antibody of any one of claims 99-102, which is an intact antibody selected from the group consisting of an intact IgG1 antibody, an intact IgG2 antibody, an intact IgG3 antibody, an intact IgG4 antibody, an intact IgM antibody, an intact IgA1 antibody, an intact IgA2 antibody, an intact secretory IgA antibody, an intact IgD antibody, and an intact IgE antibody, wherein the antibody is glycosylated in a eukaryotic cell.

54. **(Previously Presented)** The antibody of any one of claims 99-102, which is an intact antibody selected from the group consisting of an intact IgG1, κ antibody, an intact IgG1, λ antibody, an intact IgG4, κ antibody, and an intact IgG4, λ antibody, wherein the antibody is glycosylated in a eukaryotic cell.

55. **(Previously Presented)** The antibody of any one of claims 99-102 which is an antibody fragment or a single chain antibody.

56. **(Original)** An isolated human monoclonal antibody which binds to human CD25 and inhibits IL-2 binding to CD25 which is a binding-domain immunoglobulin fusion protein comprising (i) a heavy chain variable region or a light chain variable region as defined in claim 19, that is fused to an immunoglobulin hinge region polypeptide, (ii) an immunoglobulin heavy chain CH2 constant region fused to the hinge region, and (iii) an immunoglobulin heavy chain CH3 constant region fused to the CH2 constant region.

57-66. **(Canceled)**

67. **(Previously Presented)** The antibody of any one of claims 99-102, further comprising a chelator linker for attaching a radioisotope.

68-98. **(Canceled)**

99. **(Previously Presented)** An isolated human monoclonal antibody which binds to human CD25 and inhibits IL-2 binding to CD25, wherein the antibody comprises a human heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:35, 36, and 37, respectively, and a human light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:38, 39, and 40, respectively.

100. **(Previously Presented)** An isolated human monoclonal antibody which binds to human CD25 and inhibits IL-2 binding to CD25, wherein the antibody comprises a human heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:17, 18 and 19, respectively, and a human light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:20, 21, and 22, respectively.

101. **(Previously Presented)** An isolated human monoclonal antibody which binds to human CD25 and inhibits IL-2 binding to CD25, wherein the antibody comprises a human heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:23, 24, and 25, respectively, and a human light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:26, 27, and 28, respectively.

102. **(Previously Presented)** An isolated human monoclonal antibody which binds to human CD25 and inhibits IL-2 binding to CD25, wherein the antibody comprises a human heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:29, 30, and 31, respectively, and a human light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:32, 33, and 34, respectively.

103-108. **(Canceled)**

109. **(New)** An isolated monoclonal antibody which binds to human CD25, wherein the antibody comprises a heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:35, 36, and 37, respectively, and a light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:38, 39, and 40, respectively.

110. (New) An isolated monoclonal antibody which binds to human CD25, wherein the antibody comprises a heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:17, 18 and 19, respectively, and a light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:20, 21, and 22, respectively.

111. (New) An isolated monoclonal antibody which binds to human CD25, wherein the antibody comprises a heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:23, 24, and 25, respectively, and a light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:26, 27, and 28, respectively.

112. (New) An isolated monoclonal antibody which binds to human CD25, wherein the antibody comprises a heavy chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:29, 30, and 31, respectively, and a light chain variable region comprising CDR1, CDR2, and CDR3 sequences comprising the amino acid sequences set forth in SEQ ID NOs:32, 33, and 34, respectively.

113. (New) An isolated monoclonal antibody which binds to an epitope on human CD25 defined by the antibody of any one of claims 109-112.

114. (New) An isolated monoclonal antibody which has the binding characteristics of the antibody of any one of claims 109-112.

115. (New) An isolated monoclonal antibody, comprising at least one variable region selected from the group consisting of: SEQ ID NOs:2, 4, 6, 8, 10, 12, 14, and 16.